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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**Complete if Known**

Application Number	08/781,296
Filing Date	January 13, 1997
First Named Inventor	John B. Harley et al.
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	OMRF 161

## U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner's Initials *	Cite No.¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Applicable	T²
		Office³	Number⁴	Kind Code⁵ (if known)				
			0 113 431A	EP		07/18/84		
			0313 156	EP		04/26/89		
			0 88/0932	PCT		06/03/88		
			0 91/17171	PCT		11/14/91		
			WO 91/11718	PCT		08/08/91		
			WO 94/02445	PCT		02/03/94		
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		Alexander, et al., "Anti-Ro/SS-A Antibodies in the Pathophysiology of Congenital Heart Block in Neonatal Lupus Syndrome, and Experimental Model," <u>Arth. And Rheum.</u> 35:176-189 (1992)	
		Banerjee, et al., "Complete Nucleotide Sequence of the mRNA Coding for the N Protein of Vesicular Stomatitis Virus (New Jersey Serotype)," <u>Virology</u> 137:432-438 (1984)	
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		Blank, M., et al., "The Effect of the Immunomodulator Agent, SS101 on Interleukin-2 Production in Systemic Lupus Erythematosus (SLE) Induced in Mice by Pathogenic Anti-DNA Antibody," <u>Clin. Exp. Immunol.</u> 79:443-447 (1990)	
		Blank, M., et al., "Induction of SLE-Like Disease in Naive Mice with a Monoclonal anti-DNA Antibody Derived from a Patient with Polymyositis carrying the 16/6 id," <u>J. Autoimmunity</u> 7:693-691 (1988)	
		Blank, M., et al., "Sex Hormone Involvement in the Induction of Experimental Systemic Lupus Erythematosus by a Pathogenic Anti-DNA Idiotype in Naive Mice," <u>J. Rheumatol.</u> 17:311-317 (1990)	
		Blank, M., et al., "Induction of Experimental Anti-phospholipid Syndrome Associated with SLE Following Immunization with Human Monoclonal Pathogenic Anti-DNA Idiotype," <u>J. Autoimmunity</u> 5:495-509 (1992)	

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		Blank, M., et al., "Induction of Systemic Lupus Erythematosus in Naive Mice with T-cell Lines Specific for Human Anti-DNA Antibody SA-1 (16/6 Id+) and for Mouse Tuberculosis Antibody TB/68 (16/6 Id+) Clin. Immunol. Immunopathol. 60:471-483 (1991)	
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		Buyon, "Neonatal Lupus Syndrome," Curr. Opin. In Rheum. 6:523-529 (1994)	
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		Chen, E.K.L., et al., "Ribonucleoprotein SS-B/La belongs to a Protein Family with Consensus Sequences for RNA Binding," Nucl. Acids Res. 17:2233-2244 (1989)	
		Cohen, "The Self, the World and Autoimmunity," Scientific American 258:52-60 (1988)	
		Craft, et al., "Murine and Drosophila B Proteins of SM snRNPs," Mol. Biol. Rep., 15:159 (1991)	
		Crone, et al., "Viral Transcription is Necessary and Sufficient for Vesicular Stomatitis Virus to Inhibit Maturation of Small Nuclear Ribonucleoproteins," Journal of Virology 63(10):4172-4180 (1989)	

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		Cunningham, et al., "Human Monoclonal Antibodies Reactive with Antigens of the Group A Streptococcus and Human Heart," <u>Journal of Immunology</u> 141(8):2760-2766 (1988)	
		Dalldorf, et al., "The Lymphomas of Brazilian Children", <u>J. Am. Med. Assn.</u> , 208:1365-8 (1968)	
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		DePolo, et al., "Continuing Coevolution of Virus and Defective Interfering Particles and of Viral Genome Sequences During Uncloned Passages: Virus Mutants Exhibiting Nearly Complete Resistance to Formally Dominant Defective Interfering Particles," <u>J. of Virology</u> 61:454-464	
		Deutscher, et al., "Molecular Analysis of the 60-kDa Human Ro Ribonucleoprotein," <u>Proc. Natl. Acad. Sci. USA</u> 85:9479-83 (1988)	
		Dyrberg and Oldstone, "Peptides as Probes to Study Molecular Mimicry and Virus-Induced Autoimmunity," <u>Current Topics in Microbiology and Immunology</u> , 130:25-37 (1986)	
		Eikon, K., et al., "Epitope Mapping of Recombinant Helix A and B' Peptides Obtained by the Polymerase Chain Reaction," <u>J. of Immun.</u> , 145:636-643 (1990)	
		Esquivel, et al., "Induction of Autoimmunity in Good and Poor Responder Mice with Mouse Thyroglobulin and Lipopolysaccharide," <u>J. Exp. Med.</u> , 145:1250-1263 (1977)	

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		Evans, "E.B. Virus Antibody in Systemic Lupus Erythematosus" <u>Lancet</u> , 1:1023-4 (1971)	
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		Fox, et al., "Potential Role of Epstein-Barr Virus in Sjogren's Syndrome and Rheumatoid Arthritis", <u>J. Rheumatol.</u> , 19:18-24 (1992)	
		Fox, "Sjogren's Syndrome", <u>Current Opin. Rheum.</u> , 7:409-416 (1995)	

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		Gu, et al., <u>Dev. Biol. Stand.</u> , 84:174-177 (1995)	

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		Guldner, et al., <u>The Journal of Immunology</u> , 141(2):469-475 (July 15, 1988)	
		Gutierrez, et al., "Switching Viral Latency to Viral Lysis: A Novel Therapeutic Approach for Epstein-Barr Virus-Associated Neoplasia", <u>Cancer Res.</u> , 56:969-972 (1996)	
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		Harley & Geither, "Autoantibodies" <u>Rheum. Dis. Clin. N. Amer.</u> , 14:44-56 (1992)	
		Harley, et al., "Anti-Ro (SS-A) and Anti-La (SS-B) in Patients with Sjogren's Syndrome", <u>Arthritis Rheum.</u> , 29:196-206 (1986)	
		Harley & James, "Review Articles: Autoepitopes in Lupus", <u>J. Lab. Clin. Med.</u> , 126(6):509-516 (1995)	
		Harley, et al., "Gene Interaction at HLA-DQ Enhances Autoantibody Production in Primary Sjogren's Syndrome," <u>Science</u> 232:1145-1147 (1986)	
		Herbert, et al., <u>Dictionary of Immunology</u> , 3 <sup>rd</sup> Ed. Blackwell Scientific Publications Oxford UK page 14 (1985)	
		Heslop, et al., "Long-Term Restoration of Immunity Against Epstein-Barr Virus Infection by Adoptive Transfer of Gene-Modified Virus-Specific T Lymphocytes", <u>Nature Med.</u> , 2:551-555 (1996)	

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Application Number	08/781,296
Filing Date	January 13, 1997
First Named Inventor	John B. Harley et al.
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	OMRF 161

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## OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit and/or country where published	T <sup>2</sup>
	Hinterberger, (1983)	"Isolation of Small Nuclear Ribonucleoproteins Containing U1, U2, U4, U5, and U6 RNAs," <u>Biol. Chem.</u> , 258:2604-2613	
	Hollinger, et al.,	"Seroepidemiologic Studies in Systemic Lupus Erythematosus", <u>Bact. Proc.</u> , 171:174 (1970)	
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	James, et al.,	"Inbred Mice Strains Differ in Their Capacity to Develop Spliceosomal Autoimmunity After Peptide Immunization", <u>Arthritis Rheum.</u> , 38:S226 (1995)	

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		James & Harley, "Linear Epitope Mapping of an Sm B/B' Polypeptide", <u>J. Immunol.</u> , 148:2074-2079 (1992)	
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		Kieff & Liebowitz, D.: Epstein-Barr virus and its replication. In <u>Virology</u> , 2nd ed. Fields et al., eds. pp 1889-1921 (Raven Press, New York 1990)	

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	Klippel, et al., "Epstein-Barr Virus Antibody and Lymphocyte Tubuloreticular Structures in Systemic Lupus Erythematosus", <u>Lancet</u> , 2:1057-1058 (1973)		
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	Lerner, et al., "Are snRNPs Involved in Splicing?" <u>Nature</u> 283:220-224 (1980)		

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		Leif, "Maveick Herpes Receptor Sparks Search for KS Drug", <u>Bio World Today</u> , 9(17):1 (1997)	
		Levitskaya, "Inhibition of Antigen Processing by the Internal Repeat Region of the Epstein-Barr Virus Nuclear Antigen-1", <u>Nature</u> , 375:685-688 (1995)	
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		Mendlovic, S., et al., "The Genetic Regulation of the Induction of Experimental SLE," <u>Immunology</u> 69:228-236 (1990)	
		Mendlovic, S., et al., "The Role of Anti-Idiotypic Antibodies in the Induction of Experimental Systemic Lupus Erythematosus in Mice," <u>Eur. J. Immunol.</u> 19:729-732 (1989)	

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		Mendlovic, S., et al., "Induction of an SLE-Like Disease in Mice by a Common Anti-DNA Idiotypic," <u>Proc. Natl. Acad. Sci. USA</u> 85:2260-2264 (1988)	
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		Munves, et al., "Antibodies to Sm and RNP", <u>Arthritis Rheum.</u> , 26: 848-853 (1983)	
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		Ravirajan S. Staines, "Involvement in Lupus Disease of Idiotypes Id.F-423 and Id.IV-228 Defined, Respectively, Upon Foetal and Adult MRL/Mp-Ipr/lpr DNA-binding Monoclonal Autoantibodies" <u>Immunology</u> , 74:342-347 (1991)	
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		Rose, et al., "T-Cell Regulation in Autoimmune Thyroiditis," <u>Immunol. Reviews</u> 55:229-314 (1981)	
		Rose, et al., "Genetic Regulation in Autoimmune Thyroiditis," Talal N. ed., <u>Autoimmunology Genetic Immunologic Virologic, and Clinical Aspects</u> . New York: Academic Press, 63-87 (1977)	
		Rose, et al., "Studies on Experimental Thyroiditis," <u>Ann. NY Acad. Sci.</u> 124:201-108 (1965)	

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Application Number	08/781,296
Filing Date	January 13, 1997
First Named Inventor	John B. Harley et al.
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	OMRF 161

Sheet 16 of 21

## OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit and/or country where published	†2
		Sabbatini, et al., "Autoantibodies from Patients with Systemic Lupus Erythematosus Bind a Shared Sequence of Amd and Epstein-Barr Virus-Encoded Nuclear Antigen EBNA 1", <u>Eur. J. Immunol.</u> , 23:1146-1152 (1993)	
		Saito, et al., "Detection of Epstein-Barr Virus DNA by Polymerase Chain Reaction in Blood and Tissue Biopsies from Patients with Neocarcinosis", <u>The Journal of Immunology</u> , 142(4):1153-1165 (1989)	
		Schaeck, "Molecular Mimicry in HLA-B-27-Related Arthritis," <u>Annals of Internal Medicine</u> , 111(7):581-591 (October 1, 1989)	
		Schmauss, et al., "A Comparison of snRNP-Associated Sm-Autoantigens: Human N, Rat N and Human B/B (abstract)", <u>Nuc. Acid Res.</u> , 17:1733-43 (1989)	
		Schoenfeld, et al., "Modulation of Experimental SLE Induced in Naive Mice by a Pathogenic Anti-DNA Idiotypic (16/6 Id), " <u>Proceedings of the Second International Conference on Systemic Lupus Erythematosus</u> , Tokyo, Japan Professional Postgraduate Services 83 (1989)	
		Schoenfeld, et al., "Pathogenic Idiotypes of Autoantibodies in Autoimmunity: Lessons from New Experimental Models of SLE," <u>FASEB J.</u> , 4:2646-2651 (1990)	
		Scofield, et al., "60kD Ro/SSA Autoepitopes are Found in Regions of Homology Between Ro/SSA and the Nucleocapsid Protein of Vesicular Stomatitis Virus," <u>Arthritis and Rheumatism</u> , 33(9):1011 (1990)	
		Scofield, et al., "Autoantigenicity of Ro/SSA Antigen is Related to a Nucleocapsid Protein of Vesicular Stomatitis Virus", <u>Proc. Natl. Acad. Sci. USA</u> , 88:3343-3347 (1991)	
		Scofield, R., "A Common Autoepitope Near the Carboxyl Terminus of the 60-kD Ro Ribonucleoprotein: Sequence Similarity with a Viral Protein," <u>Journal of Clinical Immunology</u> , 11(6):378-388 (1991)	
		Scofield, et al., "The Autoantigenicity of Human 60kD Ro/SSA is Related to Homologies Between Ro/SSA and the Nucleocapsid Protein of Vesicular Stomatitis Virus," <u>Clinical Research</u> , 38(2):316A, (1990)	
		Scofield, et al., "Development of the Anti-Ro Autoantibody Response in a Patient with Systemic Lupus Erythematosus", <u>Arthritis &amp; Rheumatism</u> , 39(10):1664-1688 (1996)	

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		Scofield, et al., "Immunization with Short Peptides from the Sequence of the Systemic Lupus Erythematosus-Associated 60-kDa Ro Autoantigen Results in Anti-Ro Ribonucleoprotein Autoimmunity", <u>J. Immunology</u> , 405:9-4066 (1996)	
		Scofield, "Autoimmune Thyroid Disease in Systemic Lupus Erythematosus and Sjogren's Syndrome", <u>Clin. Exp. Rheum.</u> , 14:321-330 (1996)	
		Scofield, "HLA-B27 Binding of Peptide From Its Own Sequence and Similar Peptides From Bacteria: Implications For Spondyloarthropathies", <u>Lancet</u> , 345:1542-1544 (1995)	
		Sculley, et al., "Reactions of Sera from Patients with Rheumatoid Arthritis, Systemic Lupus Erythematosus and Infectious Mononucleosis to Epstein-Barr Virus-Induced Polypeptides", <u>J. Gen. Virol.</u> , 67:2253-2258 (1986)	
		Sharpe, et al., "Isolation of cDNA Clones Encoding the Human Sm B/B' Auto-Immune Antigen and Specifically Reacting with Human Anti-Sm Auto-", <u>FEBS Lett.</u> , 250:585-590 (1989)	
		Sillikens, et al., "Human U1 snRNP-specific A Protein: Complete cDNA and Protein Sequence and Identification of a Multigene Family in Mammals", <u>Nucleic Acids Res.</u> , 16:8307-21 (1988)	
		Sillikens, P., et al., "cDNA Cloning of the Human U1 snRNP-Associated A Protein: Extensive Homology Between U1 and U2 snRNP-Specific Proteins", <u>EMBO Journal</u> 6:3841-3848 (1987)	
		Singh, et al., "Decreased Incidence of Viral Infections in Liver Transplant Recipients - Possible Effects of FK506?", <u>Digestive Dis. Sci.</u> , 39:15-18 (1994)	
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		Sturgess, A., et al., "Characteristics and Epitope Mapping of a Cloned Human Autoantigen La", <u>J. Immun.</u> , 3212-3218 (1988)	
		Sumaya, et al., "Increased Prevalence and Titer of Epstein-Barr Virus Antibodies in Patients with Multiple Sclerosis", <u>Ann. Neurol.</u> , 17:371-377 (1985)	

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		Suzuki, et al., "Viral Interleukin 10 (IL-10), the Human Herpes Virus 4 Cellular IL-10 Homologue, Induces Local Anergy to Allogeneic and Syngeneic Tumors", <u>J. Exp. Med.</u> , 182:477-486 (1995)	
		Takeda, Y., et al., "Antigenic Domains on the U1 Small Nuclear Ribonucleoprotein-associated 70kD Polypeptide; a comparison of regions selectively recognized by Human and Mouse Autoantibodies and by Monoclonal Antibodies," <u>Chem. Abstracts</u> 116(1): ab. No. 4803a (January 6, 1992)	
		Tan, et al., "The 1982 Revised Criteria for the Classification of Systemic Lupus Erythematosus", <u>Arthritis Rheum.</u> , 25 1271-1277 (1982)	
		Tan, et al., "Characteristics of a Soluble Nuclear Antigen Precipitating with Sera of Patients with Systemic Lupus Erythematosus," <u>J. Immunol.</u> , 96:464-471 (1986)	
		Tateishi, et al., "Spontaneous Production of Epstein-Barr Virus by B Lymphoblastoid Cell Lines Obtained from Patients with Sjogren's Syndrome", <u>Arthritis Rheum.</u> , 36:827-835 (1993)	
		Theissen, et al., "Cloning of the Human cDNA for the U1 RNA-associated 70K Protein," <u>EMBO J.</u> 5:3209-17 (1986)	
		Tigbe, Production of Human Rheumatoid Factors (RF) by SCID Mice Transplanted with Synovial Membrane Lymphocytes, presented at the Arthritis Foundation Fellows Conference, Amelia Island, Plantation, Florida, Decemoer 8-10 (1989)	
		Tincani, et al., "Induction of Experimental SLE in Naive Mice by Immunization with Human Polyclonal anti-DNA Antibody Carrying the 16/6 Idiotype," <u>Clinical and Exp. Rheum.</u> , 11:129-133 (1993)	
		Toda, et al., Sjogren's syndrome (SS) and Epstein-Barr virus (EBV) reactivation. In Lacrima Gland, Tear Film, and Dry Eye Syndrome, D.A. Sullivan, ed. pp 647-650 (Plenum Press, New York 1994)	
		Tsai, et al., "Detection of Epstein-Barr Virus and Cytomegalovirus Genomes in White Blood Cells from Patients with Juvenile Rheumatoid Arthritis and Childhood Systemic Lupus Erythematosus", <u>Int. Arch. Allergy Immunol.</u> , 106:235-240 (1995)	
		Tsuzuka, et al., "Lupus Autoantibodies to Double-stranded DNA Cross-react with Ribosomal Protein S11," <u>Arthritis &amp; Rheumatism</u> , 38(9):abstract 726 (1995)	

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		Tzartos, et al., "Autoimmunity 8:259-270 (1991)	
		van Dam, et al., "Cloned Human snRNP Proteins B and B' Differ Only in Their Carboxy-Terminal Part", <u>EMBO J.</u> 8(12):3853-3860 (1989)	
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		Virji and Heckels, "Location of a Blocking Epitope on Outer-membrane Protein III of Neisseria Gonorrhoeae by Synthetic Peptide Analysis," <u>J. of Gen. Microbiol.</u> 135:1895-1899 (1989)	
		Voller and Bidwell, "Enzyme-Linked Immunosorbent Assay," <u>Manual of Clinical Laboratory Immunology</u> (Chapter 17) (1986)	
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		Wagstaff, et al., <u>Drugs</u> , 47:153-205 (1994)	
		Waltuck and Buyon, "autoantibody-associated Congenital Heart Block: Outcome in Mothers and Children," <u>Ann. Intern. Med.</u> 120:544-551 (1994)	
		Warner & Carp, "Multiple Sclerosis Etiology - an Epstein-Barr Virus Hypothesis" <u>Med. Hypotheses</u> , 25:93-97 (1988)	

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		Watson, et al., "Certain Properties Make Substances Antigenic," in <i>Molecular Biology of the Gene</i> , Fourth Edition, page 836, paragraph 3, The Benjamin/Cummings Publishing Company, Menlo Park, 1987	
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		Winfield, et al., "Serologic Studies in Patients with Systemic Lupus Erythematosus and Central Nervous System Dysfunction," <i>Arthritis Rheum.</i> 21:289-294 (1978)	
		Witebsky, et al., "Chronic Thyroiditis and Autoimmunization," <i>J. Am. Med. Assoc.</i> , 164:1439-1447 (1957)	
		Xie & Snyder, "Two Short Autoepitopes on the Nuclear Dot Antigen Are Similar to Epitopes Encoded by the Epstein-Barr Virus," <i>Proc. Natl. Acad. Sci.</i> , 92:1639-1643 (1995)	
		Yamamoto, K., et al., "Isolation and Characterization of a Complementary DNA Expressing Human U1 Small Nuclear Ribonucleoprotein C Polypeptide," <i>J. Immunol.</i> 140:311-317 (1988)	
		Yokochi, et al., "High Titer of Antibody to the Epstein-Barr Virus Membrane Antigen in Sera from Patients with Rheumatoid Arthritis and Systemic Lupus Erythematosus," <i>J. Rheumatol.</i> , 16:1029-1030 (1989)	
		Zeller, et al., "Nucleocytoplasmic Distribution of snRNPs and Stockpiled snRNA-Binding Proteins During Oogenesis and Early Development in <i>Xenopus laevis</i> ," <i>Cell</i> 33:425-434 (1983)	

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